

Antonella Ferrara

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

353 papers	7,899 citations	46 h-index	80 g-index
391 ext. papers	9,482 ext. citations	3.2 avg, IF	6.5 L-index

#	Paper	IF	Citations
353	Chattering avoidance by second-order sliding mode control. <i>IEEE Transactions on Automatic Control</i> , 1998 , 43, 241-246	5.9	745
352	Dust formation in primordial Type II supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 325, 726-736	4.3	391
351	Adaptive sliding mode control in discrete-time systems. <i>Automatica</i> , 1995 , 31, 769-773	5.7	258
350	On multi-input chattering-free second-order sliding mode control. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1711-1717	5.9	248
349	The role of stellar feedback and dark matter in the evolution of dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000 , 313, 291-309	4.3	216
348	Dust-to-Gas Ratio and Metal Abundance in Dwarf Galaxies. <i>Astrophysical Journal</i> , 1998 , 496, 145-154	4.7	205
347	Early reionization by the first galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003 , 344, L7-L11	4.3	186
346	On second order sliding mode controllers 1999 , 329-350		180
345	Output tracking control of uncertain nonlinear second-order systems. <i>Automatica</i> , 1997 , 33, 2203-2212	5.7	172
344	Integral Sliding Mode Control for Nonlinear Systems With Matched and Unmatched Perturbations. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 2699-2704	5.9	162
343	Inhomogeneous reionization of the intergalactic medium regulated by radiative and stellar feedbacks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000 , 314, 611-629	4.3	134
342	Cosmological reionization around the first stars: Monte Carlo radiative transfer. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 324, 381-388	4.3	126
341	Robust Model Predictive Control With Integral Sliding Mode in Continuous-Time Sampled-Data Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 556-570	5.9	114
340	Wheel Slip Control via Second-Order Sliding-Mode Generation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2010 , 11, 122-131	6.1	105
339	Vehicle Yaw Control via Second-Order Sliding-Mode Technique. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 3908-3916	8.9	102
338	Design of an Integral Suboptimal Second-Order Sliding Mode Controller for the Robust Motion Control of Robot Manipulators. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 2316-2325	4.8	98
337	Higher Order Sliding Mode Controllers With Optimal Reaching. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 2126-2136	5.9	97

336	Sliding Mode Control of Constrained Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 2965-2972	5.9	92
335	Trajectory Planning and Second-Order Sliding Mode Motion/Interaction Control for Robot Manipulators in Unknown Environments. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 3189-3198	8.9	89
334	Manipulator Fault Diagnosis via Higher Order Sliding-Mode Observers. <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 3979-3986	8.9	88
333	AMADEUS: advanced manipulation for deep underwater sampling. <i>IEEE Robotics and Automation Magazine</i> , 1997 , 4, 34-45	3.4	83
332	Integral Sliding Mode for the Torque-Vectoring Control of Fully Electric Vehicles: Theoretical Design and Experimental Assessment. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 1701-1715	6.8	79
331	Effects of dust grains on early galaxy evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002 , 337, 921-937	4.3	76
330	Fault Detection for Robot Manipulators via Second-Order Sliding Modes. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 3954-3963	8.9	72
329	MPC for Robot Manipulators With Integral Sliding Modes Generation. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017 , 22, 1299-1307	5.5	71
328	The escape fraction of ionizing photons from high-redshift galaxies from data-constrained reionization models. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013 , 428, L1-L5	4.3	70
327	Control of a Class of Mechanical Systems With Uncertainties Via a Constructive Adaptive/Second Order VSC Approach. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2000 , 122, 33-39	1.6	70
326	A Robust Consensus Algorithm for Current Sharing and Voltage Regulation in DC Microgrids. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 1583-1595	4.8	66
325	Optimal control of freeways via speed signalling and ramp metering. <i>Control Engineering Practice</i> , 1998 , 6, 771-780	3.9	65
324	Mixing metals in the early Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000 , 319, 539-548	4.3	65
323	Design of Robust Higher Order Sliding Mode Control for Microgrids. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2015 , 5, 393-401	5.2	63
322	Properties of a combined adaptive/second-order sliding mode control algorithm for some classes of uncertain nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1334-1341	5.9	61
321	MIMO Closed Loop Identification of an Industrial Robot. <i>IEEE Transactions on Control Systems Technology</i> , 2011 , 19, 1214-1224	4.8	58
320	Numerical modelling of fracture in human arteries. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2008 , 11, 553-67	2.1	55
319	Adaptive suboptimal second-order sliding mode control for microgrids. <i>International Journal of Control</i> , 2016 , 89, 1849-1867	1.5	54

318	On the convergence properties of a 2-sliding control algorithm for non-linear uncertain systems. <i>International Journal of Control</i> , 2001 , 74, 718-731	1.5	53
317	Comparing Internal Model Control and Sliding-Mode Approaches for Vehicle Yaw Control. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2009 , 10, 31-41	6.1	52
316	Second order sliding mode control of vehicles with distributed collision avoidance capabilities. <i>Mechatronics</i> , 2009 , 19, 471-477	3	52
315	A Sub-Optimal Second Order Sliding Mode Controller for Systems With Saturating Actuators. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1082-1087	5.9	52
314	Decentralized Sliding Mode Control of Islanded AC Microgrids With Arbitrary Topology. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 6706-6713	8.9	51
313	Sliding mode voltage control of boost converters in DC microgrids. <i>Control Engineering Practice</i> , 2018 , 73, 161-170	3.9	51
312	Lyman continuum escape from an inhomogeneous interstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002 , 331, 463-473	4.3	48
311	Asynchronous Networked MPC With ISM for Uncertain Nonlinear Systems. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 4305-4317	5.9	47
310	Design and experimental validation of a second-order sliding-mode motion controller for robot manipulators. <i>International Journal of Control</i> , 2009 , 82, 365-377	1.5	47
309	Nonlinear optimization for freeway control using variable-speed signaling. <i>IEEE Transactions on Vehicular Technology</i> , 1999 , 48, 2042-2052	6.8	47
308	. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 3347-3356	8.9	46
307	Event-triggered model predictive schemes for freeway traffic control. <i>Transportation Research Part C: Emerging Technologies</i> , 2015 , 58, 554-567	8.4	45
306	APPLICATIONS OF A SUB-OPTIMAL DISCONTINUOUS CONTROL ALGORITHM FOR UNCERTAIN SECOND ORDER SYSTEMS. <i>International Journal of Robust and Nonlinear Control</i> , 1997 , 7, 299-319	3.6	44
305	Second-order sliding-mode control of a mobile robot based on a harmonic potential field. <i>IET Control Theory and Applications</i> , 2008 , 2, 807-818	2.5	40
304	Motion Control of Rigid Robot Manipulators via First and Second Order Sliding Modes. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2007 , 48, 23-36	2.9	39
303	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2004 , 5, 20-32	6.1	38
302	Practical second order sliding modes in single-loop networked control of nonlinear systems. <i>Automatica</i> , 2018 , 89, 235-240	5.7	37
301	A Supervisory Sliding Mode Control Approach for Cooperative Robotic System of Systems. <i>IEEE Systems Journal</i> , 2015 , 9, 263-272	4.3	36

300	Switched/time-based adaptation for second-order sliding mode control. <i>Automatica</i> , 2016 , 64, 126-132	5.7	36
299	Infrared spectral energy distribution model for extremely young galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003 , 343, 839-850	4.3	36
298	Molecular hydrogen in damped Ly α systems: clues to interstellar physics at high redshift. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005 , 356, 1529-1541	4.3	35
297	Vehicle state and tyre force estimation: demonstrations and guidelines. <i>Vehicle System Dynamics</i> , 2021 , 59, 675-702	2.8	34
296	A numerical study of arterial media dissection processes. <i>International Journal of Fracture</i> , 2010 , 166, 21-33	2.3	33
295	Onboard Sensor-Based Collision Risk Assessment to Improve Pedestrians' Safety. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 2405-2413	6.8	33
294	Patient-specific finite element analysis of carotid artery stenting: a focus on vessel modeling. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2013 , 29, 645-64	2.6	32
293	Enhancing Robustness and Performance via Switched Second Order Sliding Mode Control. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 962-974	5.9	31
292	Freeway Traffic Modelling and Control. <i>Advances in Industrial Control</i> , 2018 ,	0.3	30
291	Traffic control via moving bottleneck of coordinated vehicles. <i>IFAC-PapersOnLine</i> , 2018 , 51, 13-18	0.7	30
290	Collision avoidance strategies and coordinated control of passenger vehicles. <i>Nonlinear Dynamics</i> , 2007 , 49, 475-492	5	28
289	Multi-Input Second-Order Sliding-Mode Hybrid Control of Constrained Manipulators. <i>Journal of Dynamical and Control Systems</i> , 2000 , 10, 277-296		28
288	Robustness and performance of an indirect adaptive control scheme in presence of bounded disturbances. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 789-793	5.9	28
287	Third Order Sliding Mode Observer-Based Approach for Distributed Optimal Load Frequency Control 2017 , 1, 215-220		27
286	Sliding mode optimal control for linear systems. <i>Journal of the Franklin Institute</i> , 2012 , 349, 1350-1363	4	27
285	Freeways as Systems of Systems: A Distributed Model Predictive Control Scheme. <i>IEEE Systems Journal</i> , 2015 , 9, 312-323	4.3	27
284	Model-based event-triggered robust MPC/ISM 2014 ,		27
283	A sliding mode observer for sensorless induction motor speed regulation. <i>International Journal of Systems Science</i> , 2007 , 38, 913-929	2.3	27

282	Time-optimal sliding-mode control of a mobile robot in a dynamic environment. <i>IET Control Theory and Applications</i> , 2011 , 5, 1916-1924	2.5	25
281	Sliding mode regulator as solution to optimal control problem 2008 ,		25
280	On multi-input backstepping design with second order sliding modes for a class of uncertain nonlinear systems. <i>International Journal of Control</i> , 1998 , 71, 767-788	1.5	25
279	3,5-dibenzoyl-4-(3-phenoxyphenyl)-1,4-dihydro-2,6-dimethylpyridine (DP7): a new multidrug resistance inhibitor devoid of effects on Langendorff-perfused rat heart. <i>European Journal of Pharmacology</i> , 2007 , 563, 160-3	5.3	24
278	An event-triggered Model Predictive Control scheme for freeway systems 2012 ,		23
277	. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2003 , 50, 984-990		23
276	Event-triggered variable structure control. <i>International Journal of Control</i> , 2020 , 93, 252-260	1.5	23
275	Passivity-Based Design of Sliding Modes for Optimal Load Frequency Control. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 1893-1906	4.8	22
274	Optimization-based adaptive sliding mode control with application to vehicle dynamics control. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 550-564	3.6	22
273	Patient-specific simulation of a stentless aortic valve implant: the impact of fibres on leaflet performance. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2014 , 17, 277-85	2.1	21
272	Decentralized Sliding Mode voltage control in DC microgrids 2017 ,		21
271	Deep Reinforcement Learning for Collision Avoidance of Robotic Manipulators 2018 ,		21
270	Multirate sliding mode disturbance compensation for model predictive control. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 2984-3003	3.6	20
269	Second-order sliding mode observers for fault reconstruction in power networks. <i>IET Control Theory and Applications</i> , 2017 , 11, 2772-2782	2.5	18
268	Comparison and critical analysis of invariant-based models with respect to their ability in fitting human aortic valve data. <i>Annals of Solid and Structural Mechanics</i> , 2012 , 4, 1-14	0.5	18
267	Vibration damping in elastic robotic structures via sliding modes. <i>Journal of Field Robotics</i> , 1997 , 14, 675-696		18
266	Second order sliding mode motion control of rigid robot manipulators 2007 ,		18
265	Adaptive model-based event-triggered sliding mode control. <i>International Journal of Adaptive Control and Signal Processing</i> , 2016 , 30, 1298-1316	2.8	18

264	Second order sliding mode control of a perturbed double integrator with state constraints 2010 ,		17
263	Application of Switching Control for Automatic Pre-Crash Collision Avoidance in Cars. <i>Nonlinear Dynamics</i> , 2006 , 46, 307-321	5	17
262	A Sliding-Mode Virtual Sensor for Wheel Forces Estimation With Accuracy Enhancement via EKF. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 3457-3471	6.8	16
261	On modular backstepping design with second order sliding modes. <i>Automatica</i> , 2001 , 37, 129-135	5.7	16
260	Dynamical Adaptive First and Second-Order Sliding Backstepping Control of Nonlinear Nontriangular Uncertain Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2000 , 122, 746-752	1.6	16
259	Design of networked freeway traffic controllers based on event-triggered control concepts. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 1162-1183	3.6	16
258	Tracking control via switched Integral Sliding Mode with application to robot manipulators. <i>Control Engineering Practice</i> , 2019 , 90, 257-266	3.9	15
257	Sliding mode optimal regulator for a bolza-meyer criterion with non-quadratic state energy terms 2009 ,		15
256	Multi-input sliding mode control of a class of uncertain nonlinear systems. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 1662-1666	5.9	15
255	Advanced and Optimization Based Sliding Mode Control: Theory and Applications 2019 ,		15
254	Robust load frequency control of nonlinear power networks** Preliminary results appeared in Trip, Cucuzzella, Ferrara, and De Persis (2017).View all notes. <i>International Journal of Control</i> , 2020 , 93, 346-359	1.5	15
253	Self-Configuring Robot Path Planning With Obstacle Avoidance via Deep Reinforcement Learning 2021 , 5, 397-402		15
252	Sliding mode observers for a network of thermal and hydroelectric power plants. <i>Automatica</i> , 2018 , 98, 51-57	5.7	15
251	Hierarchical Model Predictive/Sliding Mode Control of Nonlinear Constrained Uncertain Systems. <i>IFAC-PapersOnLine</i> , 2015 , 48, 102-109	0.7	14
250	Second order sliding mode control for nonlinear affine systems with quantized uncertainty. <i>Automatica</i> , 2017 , 86, 46-52	5.7	14
249	Distributed Second Order Sliding Modes for Optimal Load Frequency Control 2017 ,		14
248	Real-time networked control of an industrial robot manipulator via discrete-time second-order sliding modes. <i>International Journal of Control</i> , 2010 , 83, 1595-1611	1.5	14
247	A combined backstepping/second order sliding mode approach to control a class of nonlinear systems		14

246	Event-triggered second order sliding mode control of nonlinear uncertain systems 2016 ,		14
245	Event-Triggered Sliding Mode Control algorithms for a class of uncertain nonlinear systems: experimental assessment 2016 ,		13
244	Control of nonholonomic systems with uncertainties via second-order sliding modes. <i>International Journal of Robust and Nonlinear Control</i> , 2008 , 18, 515-528	3.6	13
243	The proximity effect around high-redshift galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 350, L21-L25	4.3	13
242	Master-slave second order sliding mode control for microgrids 2015 ,		12
241	How Constitutive Model Complexity can Affect the Capability to Fit Experimental Data: a Focus on Human Carotid Arteries and Extension/Inflation Data. <i>Archives of Computational Methods in Engineering</i> , 2014 , 21, 273-292	7.8	12
240	Switched Second-Order Sliding Mode Control with Partial Information: Theory and Application. <i>Asian Journal of Control</i> , 2013 , 15, 20-30	1.7	12
239	Effects of freeze-dried red wine on cardiac function and ECG of the Langendorff-perfused rat heart. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014 , 92, 171-4	2.4	12
238	2012 ,		12
237	A robust MPC/ISM hierarchical multi-loop control scheme for robot manipulators 2013 ,		12
236	A CONTROL VECTOR SIMPLEX APPROACH TO VARIABLE STRUCTURE CONTROL OF NONLINEAR SYSTEMS. <i>International Journal of Robust and Nonlinear Control</i> , 1997 , 7, 321-335	3.6	12
235	MIMO identification with optimal experiment design for rigid robot manipulators 2007 ,		12
234	A robust control design for a class of uncertain non-linear systems featuring a second-order sliding mode. <i>International Journal of Control</i> , 1999 , 72, 321-331	1.5	12
233	Application of wireless sensor networks to environmental monitoring for sustainable mobility 2018 ,		11
232	Traffic control for freeway networks with sustainability-related objectives: Review and future challenges. <i>Annual Reviews in Control</i> , 2019 , 48, 312-324	10.3	11
231	Finite-time output stabilization with second order sliding modes. <i>Automatica</i> , 2009 , 45, 2169-2171	5.7	11
230	On boundary layer dimension reduction in sliding mode control of SISO uncertain nonlinear systems		11
229	Vibration damping and second-order sliding modes in the control of a single finger of the AMADEUS gripper. <i>International Journal of Systems Science</i> , 1998 , 29, 497-512	2.3	11

228	Distributed observers for state estimation in power grids 2017 ,		10
227	Combined switched/time-based adaptation in second order sliding mode control 2013 ,		10
226	Sliding mode control for urban vehicles platooning 2008 ,		10
225	. <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 100-104	5.9	10
224	Adaptive control of siso plants with unmodelled dynamics. <i>International Journal of Adaptive Control and Signal Processing</i> , 1992 , 6, 237-246	2.8	10
223	Trailer control through vehicle yaw moment control: Theoretical analysis and experimental assessment. <i>Mechatronics</i> , 2019 , 64, 102282	3	10
222	Higher Order Sliding Mode Observers in Power Grids With Traditional and Renewable Sources 2020 , 4, 223-228		10
221	A variable-length Cell Transmission Model for road traffic systems. <i>Transportation Research Part C: Emerging Technologies</i> , 2018 , 97, 428-455	8.4	10
220	Networked Sliding Mode Control with chattering alleviation 2014 ,		9
219	Modeling and control of an airbrake electro-hydraulic smart actuator. <i>Asian Journal of Control</i> , 2012 , 14, 1159-1170	1.7	9
218	A dynamic obstacle avoidance strategy for a mobile robot based on sliding mode control 2009 ,		9
217	An Inverse Dynamics-Based Discrete-Time Sliding Mode Controller for Robot Manipulators. <i>Lecture Notes in Control and Information Sciences</i> , 2007 , 137-146	0.5	9
216	Predefined-Time Output Stabilization With Second Order Sliding Mode Generation. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 1445-1451	5.9	9
215	A General Framework for Switched and Variable Gain Higher Order Sliding Mode Control. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 1718-1724	5.9	9
214	Discrete Time Sliding Mode Control Strategies for Buffered Networked Systems 2018 ,		9
213	An Overview of Traffic Control Schemes for Freeway Systems. <i>Advances in Industrial Control</i> , 2018 , 193-234		8
212	Freeway networks as Systems of Systems: An event-triggered distributed control scheme 2012 ,		8
211	Design optimization of field-plate assisted RESURF devices 2013 ,		8

210	Switched second order sliding mode control 2010 ,		8
209	Optimal disturbance rejection via integral sliding mode control for uncertain systems in regular form 2010 ,		8
208	Low Vibration Vehicle Traction Control to Solve Fastest Acceleration/Deceleration Problems Via Second Order Sliding Modes. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	8
207	Balancing-Aware Charging Strategy for Series-Connected Lithium-Ion Cells: A Nonlinear Model Predictive Control Approach. <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 1862-1877	4.8	8
206	Cooperative Voltage Control in AC Microgrids 2018 ,		8
205	Event-Triggered Sliding Mode Control Strategies for a Class of Nonlinear Uncertain Systems 2018 , 397-425		7
204	Torque-vectoring control in fully electric vehicles via integral sliding modes 2014 ,		7
203	Third order Sliding Mode Control with box state constraints 2014 ,		7
202	Trajectory tracking of mechanical systems with unilateral constraints: Experimental results of a recently introduced hybrid PD feedback controller 2015 ,		7
201	Distributed consensus-based switched observers for freeway traffic density estimation 2015 ,		7
200	Third order sliding mode voltage control in microgrids 2015 ,		7
199	Event-triggered strategies for the networked control of freeway traffic systems 2014 ,		7
198	Second-order sliding mode control of a platoon of vehicles. <i>International Journal of Modelling, Identification and Control</i> , 2008 , 3, 277	0.6	7
197	A globally stabilizing hybrid variable structure control strategy. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 1334-1337	5.9	7
196	VACS equipped vehicles for congestion dissipation in multi-class CTM framework 2019 ,		7
195	Design and Validation of a Distributed Observer-Based Estimation Scheme for Power Grids. <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 680-687	4.8	7
194	Freeway traffic control: A survey. <i>Automatica</i> , 2021 , 130, 109655	5.7	7
193	Sliding Modes for Voltage Regulation and Current Sharing in DC Microgrids 2018 ,		6

192	Multiple Moving Bottlenecks for Traffic Control in Freeway Systems 2019 ,		6
191	Obstacle Modelling Oriented to Safe Motion Planning and Control for Planar Rigid Robot Manipulators. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2013 , 71, 159-178	2.9	6
190	Supervisory Model Predictive Control for freeway traffic systems 2013 ,		6
189	SVM Classification and Kalman Filter Based Estimation of the Tire-Road Friction Curve. <i>IFAC-PapersOnLine</i> , 2017 , 50, 3382-3387	0.7	6
188	Congestion and Emissions Reduction in Freeway Traffic Networks via Supervisory Event-triggered Control. <i>IFAC-PapersOnLine</i> , 2017 , 50, 4240-4245	0.7	6
187	A Model Predictive Control scheme for freeway traffic systems based on the Classification And Regression Trees methodology 2015 ,		6
186	Second-order Sliding Mode Control with Adaptive Control Authority for the Tracking Control of Robotic Manipulators. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 10319-10324		6
185	Switched second order sliding mode for wheel slip control of road vehicles 2010 ,		6
184	Modelling freeway systems: a new traffic fundamental diagram. <i>Mathematical Modelling of Systems</i> , 1997 , 3, 201-218		6
183	AMADEUS: advanced manipulator for deep underwater sampling		6
182	A sub-optimal second order sliding mode controller for systems with saturating actuators 2008 ,		6
181	Environment modelling for the robust motion planning and control of planar rigid robot manipulators 2008 ,		6
180	Interaction control of robotic manipulators via second-order sliding modes. <i>International Journal of Adaptive Control and Signal Processing</i> , 2007 , 21, 708-730	2.8	6
179	CONTROLLING A PLATOON OF VEHICLES VIA A SECOND ORDER SLIDING MODE APPROACH. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 439-444		6
178	Speed regulation of induction motors: an adaptive sensorless sliding mode control scheme 2004 ,		6
177	Automatic pre-crash collision avoidance in cars		6
176	Sliding Mode Optimization in Dynamic LTI Systems. <i>Journal of Optimization Theory and Applications</i> , 2002 , 115, 727-740	1.6	6
175	A new two-level model for multiclass freeway traffic. <i>IEEE Transactions on Vehicular Technology</i> , 1996 , 45, 189-200	6.8	6

174	Characterization of the Dynamical Model of a Force Sensor for Robot Manipulators. <i>Lecture Notes in Control and Information Sciences</i> , 2009 , 243-253	0.5	6
173	Switched observer-based ramp metering controllers for freeway systems 2016 ,		6
172	Distributed Super-Twisting Sliding Mode Observers for Fault Reconstruction and Mitigation in Power Networks 2018 ,		6
171	Sliding Mode Based Dynamic State Estimation for Synchronous Generators in Power Systems 2018 , 2, 785-790		6
170	MPC with Sliding Mode Control for the Energy Management System of Microgrids * *Corresponding author: G.P. Incremona, Dipartimento di Ingegneria Civile e Architettura, University of Pavia, Via Ferrata 3, 27100 Pavia, Italy. <i>IFAC-PapersOnLine</i> , 2017 , 50, 7397-7402	0.7	5
169	A Macroscopic Model for Platooning in Highway Traffic. <i>SIAM Journal on Applied Mathematics</i> , 2020 , 80, 639-656	1.8	5
168	Higher order sliding mode observers and nonlinear algebraic estimators for state tracking in power networks 2017 ,		5
167	Sliding mode observers for vision-based fault detection, isolation and identification in robot manipulators 2010 ,		5
166	Sliding mode observers for sensorless control of current-fed induction motors 2011 ,		5
165	Hybrid position/force sliding mode control of a class of robotic manipulators 2009 ,		5
164	Numerical Simulation of Arterial Plaque Ruptures. <i>International Journal of Material Forming</i> , 2008 , 1, 1095-1098	2	5
163	Chattering Elimination in the Hybrid Control of Constrained Manipulators via First/Second Order Sliding Mode Control. <i>Journal of Dynamical and Control Systems</i> , 1999 , 9, 99-124		5
162	Hybrid variable structure path tracking control of articulated vehicles 2004 ,		5
161	Networked model predictive traffic control with time varying optimization horizon: The Grenoble South Ring case study 2013 ,		5
160	Sliding Modes Control in Vehicle Longitudinal Dynamics Control. <i>Studies in Systems, Decision and Control</i> , 2018 , 357-383	0.8	5
159	A hierarchical MPC and sliding mode based two-level control for freeway traffic systems with partial demand information. <i>European Journal of Control</i> , 2021 , 59, 152-164	2.5	5
158	Highway Traffic Control with Moving Bottlenecks of Connected and Automated Vehicles for Travel Time Reduction 2019 ,		5
157	Robustified Distributed Model Predictive Control for Coherence and Energy Efficiency-Aware Platooning 2019 ,		5

156	Traffic Control Via Platoons of Intelligent Vehicles for Saving Fuel Consumption in Freeway Systems 2021 , 5, 593-598		5
155	A new Micro-Macro METANET model for platoon control in freeway traffic networks 2018 ,		5
154	A Survey on Event-Triggered Sliding Mode Control. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , 2021 , 2, 206-217	2.6	5
153	A Simplified Direct Approach to the Problem of Adaptive Pole Assignment 1991 , 89-96		5
152	Robust motion control of a robot manipulator via Integral Suboptimal Second Order Sliding Modes 2013 ,		4
151	Model predictive control with state estimation for freeway systems 2017 ,		4
150	Sliding mode control algorithms for wheel slip control of road vehicles 2017 ,		4
149	Supervisory multi-class event-triggered control for congestion and emissions reduction in freeways 2017 ,		4
148	Towards networked sliding mode control 2017 ,		4
147	Model-based event-triggered control for freeway traffic systems 2015 ,		4
146	Dynamic Sliding Mode Control Design Based on an Integral Manifold for Nonlinear Uncertain Systems. <i>Journal of Nonlinear Dynamics</i> , 2014 , 2014, 1-10		4
145	Time-varying triggering conditions for the robust control of freeway systems 2014 ,		4
144	Active braking control for two-wheeled vehicles via switched second order sliding modes 2011 ,		4
143	Second Order Sliding Mode for traction control in ride-by-wire sport motorcycles 2009 ,		4
142	Time-based switched sliding mode control for yaw rate regulation in two-wheeled vehicles 2012 ,		4
141	Actuators and sensors fault detection for robot manipulators via second order sliding mode observers 2008 ,		4
140	Second order sliding mode observers for Fault Detection of robot manipulators 2008 ,		4
139	Wheel slip control via second order sliding modes generation 2007 ,		4

138	Discussion on: An Adaptive Variable Structure Control Law for Sensorless Induction Motors <i>European Journal of Control</i> , 2007 , 13, 393-397	2.5	4
137	Sliding Mode Control for Automatic Driving of a Platoon of Vehicles		4
136	Fate of clumps in damped Ly α systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 368, 1885-1892	4.3	4
135	Generation of Collision Avoidance Manoeuvres in Pre-Crash Driver Assistance Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 745-750		4
134	Longitudinal control design of passenger vehicles with second order sliding modes 2000 ,		4
133	An observer-based second order sliding mode vehicle control strategy		4
132	On the parameter convergence properties of a combined VS/adaptive control scheme during sliding motion. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 70-76	5.9	4
131	Second order VSC for non linear systems subjected to a wide class of uncertainty conditions		4
130			4
129	Model-following VSC using an input-output approach 1994 , 289-312		4
128	Longitudinal vehicle dynamics control via sliding modes generation	33-76	4
127	A Variable-Length cell road traffic model: Application to ring road speed limit optimization 2016 ,		4
126	Sliding mode control for Maximum Power Point Tracking of photovoltaic inverters in microgrids 2016 ,		4
125	Experimental evaluation of nonlinear unknown input observers applied to an EPS system 2016 ,		4
124	Constrained Nonlinear Discrete-Time Sliding Mode Control Based on a Receding Horizon Approach. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 3802-3809	5.9	4
123	Hierarchical Centralized/Decentralized Event-Triggered Control of Multiclass Traffic Networks. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 29, 1549-1564	4.8	4
122	The boost transistor: A field plate controlled LDMOST 2015 ,		3
121	Second-Order Macroscopic Traffic Models. <i>Advances in Industrial Control</i> , 2018 , 85-111	0.3	3

120	State Estimation in Freeway Traffic Systems. <i>Advances in Industrial Control</i> , 2018 , 169-190	0.3	3
119	A switched ramp-metering controller for freeway traffic systems. <i>IFAC-PapersOnLine</i> , 2015 , 48, 105-110	0.7	3
118	Wheel forces estimation via adaptive sub-optimal second order sliding mode observers 2017 ,		3
117	An energy function based design of second order sliding modes for Automatic Generation Control. <i>IFAC-PapersOnLine</i> , 2017 , 50, 11613-11618	0.7	3
116	Wheel slip control of road vehicles via switched second order sliding modes. <i>International Journal of Vehicle Design</i> , 2013 , 62, 231	2.4	3
115	Configuration space analysis oriented to robust control and obstacle avoidance of manipulators 2010 ,		3
114	Higher Order Sliding Mode observers for actuator faults Diagnosis in robot manipulators 2010 ,		3
113	Second Order Sliding Modes to Control and Supervise Industrial Robot Manipulators. <i>Lecture Notes in Control and Information Sciences</i> , 2011 , 541-567	0.5	3
112	A backstepping second order variable structure control design for a class of uncertain nonlinear systems		3
111	Urban Services Localization and Optimal Traffic Distribution: Users Oriented System. <i>Journal of the Urban Planning and Development Division, ASCE</i> , 2008 , 134, 53-57	2.2	3
110	Second order sliding mode real-time networked control of a robotic manipulator 2007 ,		3
109	Design and Experimental Test of a Speed/Flux Sliding Mode Observer for Sensorless Induction Motors. <i>Proceedings of the American Control Conference</i> , 2007 ,	1.2	3
108	Sliding mode control for coordination in multi-agent systems with directed communication graphs 2007 ,		3
107	Slip Control for Vehicles Platooning via Second Order Sliding Modes. <i>Intelligent Vehicles Symposium, 2009 IEEE</i> , 2007 ,		3
106	Speed regulation of induction motors: a sliding mode observer-differentiator based control scheme		3
105	A hybrid sliding mode control for systems with hard uncertainties		3
104	Case-study based performance assessment of an event-triggered MPC scheme for freeway systems 2013 ,		3
103	Constrained Sliding-Mode Control: A Survey. <i>Studies in Systems, Decision and Control</i> , 2020 , 149-175	0.8	3

102	Automatic identification of the relative degree of nonlinear systems: Application to sliding mode control design and experimental assessment. <i>Control Engineering Practice</i> , 2020 , 94, 104207	3.9	3
101	Adaptive dual-layer super-twisting sliding mode observers to reconstruct and mitigate disturbances and communication attacks in power networks. <i>Automatica</i> , 2021 , 129, 109656	5.7	3
100	Switched third-order sliding mode control 2016 ,		3
99	Linearization-Based Integral Sliding Mode Control for a Class of Constrained Nonlinear Systems 2018 ,		3
98	Accelerated resistance degradation in aluminum by pulsed power cycling 2015 ,		2
97	Freeway Traffic Systems. <i>Advances in Industrial Control</i> , 2018 , 3-23	0.3	2
96	First-Order Macroscopic Traffic Models. <i>Advances in Industrial Control</i> , 2018 , 47-84	0.3	2
95	Sliding mode control for LPV systems 2016 ,		2
94	Emission Models for Freeway Traffic Systems. <i>Advances in Industrial Control</i> , 2018 , 145-167	0.3	2
93	On the feedback control of hitch angle through torque-vectoring 2018 ,		2
92	Microscopic and Mesoscopic Traffic Models. <i>Advances in Industrial Control</i> , 2018 , 113-143	0.3	2
91	Variable Gains Decentralized Super-Twisting Sliding Mode Controllers for Large-Scale Modular Systems 2019 ,		2
90	Hierarchical control of overactuated vehicles via sliding mode techniques 2014 ,		2
89	Load alteration fault detection and reconstruction in power networks modelled in semi-explicit differential algebraic equation form 2015 ,		2
88	Distributed Model Predictive Control for MLD systems: Application to freeway ramp metering 2014 ,		2
87	Simulation-based assessment of natural robustness of freeway traffic systems controlled via MPC 2014 ,		2
86	A switched second-order sliding mode control algorithm for non-affine systems with saturations 2012 ,		2
85	Improving continuous approximation of Sliding Mode Control 2013 ,		2

84	Adaptive networked model predictive control of freeway traffic systems 2013 ,	2
83	Distributed identification of the Cell Transmission traffic model: A case study 2012 ,	2
82	Platooning control of autonomous nonholonomic mobile robots in a human-robot coexisting environment 2012 ,	2
81	A Nonlinear Model Predictive Control Scheme with Multirate Integral Sliding Mode *. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2010 , 43, 232-237	2
80	A combined first and second order sliding mode approach for hybrid control of constrained manipulators	2
79	A simplified adaptive control scheme based on a combined backstepping/second order sliding mode algorithm 1997 ,	2
78	Application of hybrid techniques to the modelling of interurban road networks	2
77	A comparison between IMC and Sliding Mode approaches to vehicle yaw control 2008 ,	2
76	Gradient tracking based second order sliding mode control of a wheeled vehicle 2007 ,	2
75	Constrained optimization via sliding modes in dynamic linear systems	2
74	A collision risk assessment approach as a basis for the on-board warning generation in cars	2
73	MULTIINPUT SECOND ORDER SLIDING MODE CONTROL OF NONHOLONOMIC SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 883-888	2
72	SCALED EXPERIMENTAL STUDY OF AN AUTOMATIC COLLISION AVOIDANCE SYSTEM FOR PASSENGER CARS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 301-306	2
71	A variable structure convex programming based control approach for a class of uncertain linear systems. <i>Systems and Control Letters</i> , 2005 , 54, 529-538	2.4 2
70	SECOND ORDER CHATTERING-FREE SLIDING MODE CONTROL FOR SOME CLASSES OF MULTI-INPUT UNCERTAIN NONLINEAR SYSTEMS 1999 ,	2
69	Variable structure approach to the pole assignment control of non-minimum phase systems. <i>International Journal of Control</i> , 1993 , 57, 1063-1078	1.5 2
68	Cruise control with collision avoidance for cars via sliding modes 2006 ,	2
67	A Switching Scheme for Mixed PZT-Based/Jet Thrusters Control of a Large Flexible Structure. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2001 , 123, 722-727	1.6 2

66	Control Strategies for Sustainable Mobility in Freeways. <i>Advances in Industrial Control</i> , 2018 , 269-291	0.3	2
65	Integral Second-Order Sliding Modes for Robust Prescribed-Time Leader-Follower Consensus Control with Partial Information 2019 ,		2
64	Adaptive Control of Multivariable Networked Systems with uncertain Time Delays. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	2
63	Deep Reinforcement Learning Based Self-Configuring Integral Sliding Mode Control Scheme for Robot Manipulators 2018 ,		2
62	A Discrete-Time Optimization-Based Sliding Mode Control Law for Linear Systems with Input and State Constraints 2018 ,		2
61	A multi-class decentralised event-triggered control framework for congestion and emission reduction in freeway networks. <i>IFAC-PapersOnLine</i> , 2018 , 51, 291-298	0.7	2
60	A Super-Twisting-Like Sliding Mode Observer for Frequency Reconstruction in Power Systems: Discussion and Real Data Based Assessment 2018 ,		2
59	Integral Sliding Mode Based Switched Structure Control Scheme for Robot Manipulators 2018 ,		2
58	An Iterative Data-Driven Linear Quadratic Method to Solve Nonlinear Discrete-Time Tracking Problems. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	2
57	Implementation-Oriented Freeway Traffic Control Strategies. <i>Advances in Industrial Control</i> , 2018 , 235-267	0.3	1
56	Emerging Freeway Traffic Control Strategies. <i>Advances in Industrial Control</i> , 2018 , 293-311	0.3	1
55	Switched Integral Suboptimal Second-Order Sliding Mode Control 2017 ,		1
54	Model predictive control and sliding mode control for current sharing in microgrids 2017 ,		1
53	Switched sliding mode control strategy for networked systems 2014 ,		1
52	Temperature estimation of cooking vessel content via EKF and sliding mode observers in induction cooking systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 4350-4355		1
51	Robust interaction control via first and second order sliding modes of planar robotic manipulators 2010 ,		1
50	Robust Model Predictive Control of continuous-time sampled-data nonlinear systems with Integral Sliding Mode 2009 ,		1
49	A sub-optimal second order sliding mode controller for current-fed induction motors 2009 ,		1

48	Visual Interaction for Real-Time Navigation of Autonomous Mobile Robots 2009 ,		1
47	Switched second order sliding mode control with partial information 2011 ,		1
46	Gain reduction in switched sliding-mode control. <i>IMA Journal of Mathematical Control and Information</i> , 2007 , 25, 23-36	1.1	1
45	Output Feedback Second-Order Sliding Mode Control for a Class of Nonlinear Systems With Non-Matched Uncertainties. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2001 , 123, 317-323	1.6	1
44	Control of mechanical systems with flexibility via a multi-input VS/backstepping design. <i>International Journal of Systems Science</i> , 2002 , 33, 655-668	2.3	1
43	First and second order sliding mode control for a class of single-input nonlinear systems with nonmatched uncertainties. <i>IMA Journal of Mathematical Control and Information</i> , 2001 , 18, 253-268	1.1	1
42	Application of a multi-input backstepping design with second order sliding modes to control mechanical systems with flexibility		1
41	Modular backstepping design of an estimation-based sliding mode controller for uncertain nonlinear plants 1998 ,		1
40			1
39	Sliding Mode Optimization in Robot Dynamics With LPV Controller Design 2022 , 6, 1760-1765		1
38	Sliding Mode Fault Diagnosis with Vision in the Loop for Robot Manipulators. <i>Studies in Systems, Decision and Control</i> , 2020 , 81-105	0.8	1
37	Two-Step Asynchronous Iterative Formation Control for Heterogeneous Vehicles in Highway Scenarios. <i>IEEE Transactions on Intelligent Vehicles</i> , 2021 , 1-1	5	1
36	Stabilization of Nonholonomic Uncertain Systems Via Adaptive Second Order Sliding Mode Control 2008 , 223-245		1
35	Decentralized Model Predictive Control of Freeway Traffic Systems over Lossy Communication Networks 2019 ,		1
34	Discrete-time Model Reference Adaptive Sliding Mode Control for Systems in State-Space Representation 2019 ,		1
33	Fuzzy scheduling of robust controllers for islanded DC microgrids applications. <i>International Journal of Dynamics and Control</i> , 2019 , 7, 690-700	1.7	1
32	Sliding Mode Observer-Based Finite Time Control Scheme for Frequency Regulation and Economic Dispatch in Power Grids. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 1-8	4.8	1
31	A multi-rate ISM approach for robust vehicle stability control during cornering. <i>IFAC-PapersOnLine</i> , 2018 , 51, 249-254	0.7	1

30	Robust Current Decoupling in a Permanent Magnet Motor Combining a Geometric Method and SMC 2018 ,		1
29	Robust voltage regulation of boost converters in DC microgrids 2018 ,		1
28	Relative Degree Identification for Sliding Mode Controllers Design 2018 ,		1
27	Robust Multi-Model Predictive Control via Integral Sliding Modes 2022 , 6, 2623-2628		1
26	Fundamentals of Traffic Dynamics. <i>Advances in Industrial Control</i> , 2018 , 25-44	0.3	0
25	Switched adaptation strategies for integral sliding mode control: Theory and application. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 6064-6080	3.6	0
24	CONTROLLING A PLATOON OF VEHICLES WITH DISTRIBUTED COLLISION AVOIDANCE CAPABILITIES. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 217-222		0
23	SENSORLESS SPEED AND FLUX REGULATION OF INDUCTION MOTORS: A SLIDING MODE APPROACH. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 151-156		0
22	Reduced-order adaptive control based on the concept of robust strictly positive realness. <i>IMA Journal of Mathematical Control and Information</i> , 1998 , 15, 363-378	1.1	0
21	Local and Wide-Area Sliding-Mode Observers in Power Systems. <i>Studies in Systems, Decision and Control</i> , 2020 , 359-391	0.8	0
20	Search-Based Motion Planning for Performance Autonomous Driving. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 1144-1154	0.4	0
19	Experimental Assessment of Deep Reinforcement Learning for Robot Obstacle Avoidance: A LPV Control Perspective. <i>IFAC-PapersOnLine</i> , 2021 , 54, 89-94	0.7	0
18	Development of Multi-Actuated Ground Vehicles: Educational aspects. <i>IFAC-PapersOnLine</i> , 2018 , 51, 236-242	0.7	0
17	Bayesian Estimation of the Aortic Stiffness based on Non-invasive Computed Tomography Images. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015 , 133-142	0.2	
16	Enhanced Switched Second Order SM Control for Active Braking in Two-wheeled Vehicles. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 11919-11924		
15	Mechanisms of the antispasmodic activity of 3,5-di-t-butyl catechol (DTCAT) on rat vascular smooth muscles. <i>European Journal of Pharmacology</i> , 2007 , 561, 112-20	5.3	
14	Model for Infrared Properties of Extremely Young Galaxies. <i>Symposium - International Astronomical Union</i> , 2004 , 217, 214-215		
13	GAIN REDUCTION IN SWITCHED SLIDING MODE CONTROL. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 711-716		

- 12 Bounded Disturbances Estimation and Rejection in a Direct/Indirect Adaptive Control Scheme. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1996**, 29, 5310-5315
- 11 Vibration Damping in Flexible Fingers of an Underwater Robot Hand Via Sliding Modes. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1996**, 29, 73-78
- 10 A new vs/adaptive controller for plants of any relative degree. *International Journal of Adaptive Control and Signal Processing*, **1996**, 10, 451-463 2.8
- 9 Implicit Model Techniques and Their Application to LQ Adaptive Control. *Control and Dynamic Systems*, **1996**, 79, 347-383
- 8 Discontinuous pole assignment control of uncertain systems using only input/output measurements. *International Journal of Adaptive Control and Signal Processing*, **1994**, 8, 321-335 2.8
- 7 An Hybrid Model for Multiclass Freeway Traffic. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1994**, 27, 871-876
- 6 A Hierarchical Control Architecture for the Control of Underwater Robots. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1995**, 28, 60-65
- 5 Sliding-mode control of uncertain nonminimum-phase linear SISO systems. *IMA Journal of Mathematical Control and Information*, **1992**, 9, 345-360 1.1
- 4 A Novel Formation Creation Algorithm for Heterogeneous Vehicles in Highway Scenarios: Assessment and Experimental Validation. *IFAC-PapersOnLine*, **2020**, 53, 15300-15305 0.7
- 3 Sliding Mode Motion Control Strategies for Rigid Robot Manipulators. *Studies in Computational Intelligence*, **2007**, 399-412 0.8
- 2 Sliding Modes in Consensus Control. *Studies in Systems, Decision and Control*, **2021**, 181-202 0.8
- 1 Traffic control for the improvement of sustainability in freeway networks: a bibliometric analysis. *IFAC-PapersOnLine*, **2020**, 53, 17505-17510 0.7